



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ning Wei) Examiner: Jacqueline A. Diramio
 Serial No: 10/718,996) Group Art Unit: 1641
 Filed: November 21, 2003) Our Account No: 04-1403
 Confirmation No: 9086) Customer No: 22827
 Title: "Method of Reducing the Sensitivity of)
 Assay Devices"

Commissioner for Patents
 Post Office Box 1450
 Alexandria, VA 22313-1450

Sir:

The following is an Information Disclosure Statement for the captioned patent application, pursuant to 37 CFR Sections 1.56, 1.97, and 1.98.

1. Attached hereto is:

- a. A list of materials for consideration per Rule 98(a)(1): 3 page(s)
- b. A legible copy of each patent, publication, or other item listed per Rule 98(1)(2), unless not required per Rule 98 and/or as indicated on the attached list(s):
 item(s)
- c. For each non-English language item listed, pursuant to Rule 98(a)(3), a concise explanation of the relevance thereof as it is presently understood by the individual designated in Rule 56(c) most knowledgeable about the content of such items:

Such explanation is provided in the Search Report from a corresponding application enclosed herewith along with any enclosed translation into English.

2. This Information Disclosure Statement is being filed [CHECK ONE]:

- a. WITHIN THREE MONTHS of the application filing date, national stage date of entry, or along with or after a request for continued examination, OR BEFORE the mailing date of a first Office Action on the merits, which ever event occurs last, WHEREFORE per Rule 97(b) NO filing fee or Rule 97(e) certificate is required.
- b. AFTER the time periods of section 2.a above, but BEFORE a Final Action, Notice of Allowance OR an action that otherwise closes prosecution, WHEREFORE PER Rule 97(c) submitted herewith is [CHECK ONE]:
 - i. Certification per Rule 97(e); OR

- ii. Filing Fee per Rule 17(p) \$180.00
- c. AFTER a Final Action OR Notice of Allowance, but BEFORE payment of the issue fee, WHEREFORE per Rule 97(d) submitted herewith is:
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 - ii. Filing fee per Rule 17(p) \$180.00
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CERTIFYING PARTY (if different from bottom signature; omission here indicates that certification is being made by signer per signature below).

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- 4. DEPOSIT ACCOUNT AUTHORIZATION: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.
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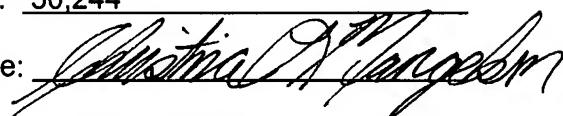
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STATEMENT BY APPLICANT**

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Sheet

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of 3

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|------------------------|-----------------------|
| Application Number | 10/718,996 |
| Filing Date | November 21, 2003 |
| First Named Inventor | Ning Wei |
| Art Unit | 1641 |
| Examiner Name | Jacqueline A. Diramio |
| Attorney Docket Number | KCX-742 (19795) |

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- RE38430 | 02/17/04 | Rosenstein | |
| | | US- 4,742,011 | 05/03/88 | Blake et al. | |
| | | US- 4,743,560 | 05/10/88 | Campbell et al. | |
| | | US- 4,835,099 | 05/30/89 | Mize et al. | |
| | | US- 4,889,816 | 12/26/89 | Davis et al. | |
| | | US- 4,904,583 | 02/27/90 | Mapes et al. | |
| | | US- 4,920,045 | 04/24/90 | McFarland et al. | |
| | | US- 4,954,435 | 09/04/90 | Krauth | |
| | | US- 4,956,302 | 09/11/90 | Gordon et al. | |
| | | US- 4,978,625 | 12/18/90 | Wagner et al. | |
| | | US- 4,980,298 | 12/25/90 | Blake et al. | |
| | | US- 5,073,340 | 12/17/91 | Covington et al. | |
| | | US- 5,075,078 | 12/24/91 | Osikowicz et al. | |
| | | US- 5,120,643 | 06/09/92 | Ching et al. | |
| | | US- 5,149,622 | 09/22/92 | Brown et al. | |
| | | US- 5,185,127 | 02/09/96 | Vonk | |
| | | US- 5,208,143 | 05/04/93 | Henderson et al. | |
| | | US- 5,275,785 | 01/04/94 | May et al. | |
| | | US- 5,428,690 | 06/27/95 | Bacus et al. | |

FOREIGN PATENT DOCUMENTS

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|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,573,919 | 11/12/96 | Keams et al. | |
| | | US- 5,591,645 | 02/17/04 | Rosenstein | |
| | | US- 5,602,040 | 02/11/97 | May et al. | |
| | | US- 5,610,077 | 03/11/97 | Davis et al. | |
| | | US- 5,622,871 | 04/22/97 | May et al. | |
| | | US- 5,656,503 | 08/12/97 | May et al. | |
| | | US- 5,714,389 | 02/03/98 | Charlton et al. | |
| | | US- 5,788,863 | 08/04/98 | Milunic | |
| | | US- 5,798,273 | 08/25/98 | Shuler et al. | |
| | | US- 5,945,281 | 08/31/99 | Prabhu | |
| | | US- 5,989,924 | 11/23/99 | Root et al. | |
| | | US- 5,989,926 | 11/23/99 | Badley et al. | |
| | | US- 5,998,221 | 12/07/99 | Malick et al. | |
| | | US- 6,077,669 | 06/20/00 | Little et al. | |
| | | US- 6,130,100 | 10/10/00 | Jobling et al. | |
| | | US- 6,133,048 | 10/17/00 | Penfold et al. | |
| | | US- 6,156,271 | 12/05/00 | May | |
| | | US- 6,187,269 | 02/13/01 | Lancesseru et al. | |
| | | US- 6,194,220 | 02/27/01 | Malick et al. | |

FOREIGN PATENT DOCUMENTS

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| | | Number-Kind Code ² (if known) | | | |
| | | US- | | | |
| | | US- 6,274,324 | 08/14/01 | Davis et al. | |
| | | US- 6,294,391 | 09/25/07 | Badley et al. | |
| | | US- 6,352,862 | 03/05/02 | Davis et al. | |
| | | US- 6,399,398 | 06/04/02 | Cunningham et al. | |
| | | US- 6,524,864 | 02/25/03 | Fernandez de Castro | |
| | | US- 6,627,459 | 09/30/03 | Tung et al. | |
| | | US- 6,653,149 | 11/25/03 | Tung et al. | |
| | | US- 6,669,908 | 01/23/03 | Weyker et al. | |
| | | US- 6,951,631 | 10/04/05 | Catt et al. | |
| | | US- 7,044,919 | 05/16/06 | Catt et al. | |
| | | US- 7,052,831 | 05/30/06 | Fletcher et al. | |
| | | US- 2002/0042149 | 04/11/02 | Butlin et al. | |
| | | US- 2002/0045273 | 04/18/02 | Butlin et al. | |
| | | US- 2004/0151632 | 08/05/04 | Badley et al. | |
| | | US- 2006/0029924 | 02/09/06 | Brewster et al. | |
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